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OM protein - protein search, using sw model

Run on: January 16, 2003, 16:43:32 : Search time 13 3714 seconds
(without alignments)
28.606 Million cell updates/sec

Title: US-09-856-070-19

Perfect score: 65

Sequence: 1 KEELMLRLQDYEE 13

Scoring table:

R10SNM62
Gapop 10 0, Gapext 0 5

Searched: 262574 seqs, 2912222 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Issued Patents AA:*
- 1: /cgn2-6/ptdata/2/iaa/5A-COMB-pop.*
 - 2: /cgn2-6/ptdata/2/iaa/5B-COMB-pop.*
 - 3: /cgn2-6/ptdata/2/iaa/6A-COMB-pop.*
 - 4: /cgn2-6/ptdata/2/iaa/6B-COMB-pop.*
 - 5: /cgn2-6/ptdata/2/iaa/6C-COMB-pop.*
 - 6: /cgn2-6/ptdata/2/iaa/6D-COMB-pop.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	65	100.0	586	4	US-09-040-725A-1
2	39	60.0	357	5	PCT US91-08999-14
3	39	60.0	405	1	US-07-914-281-8
4	39	60.0	405	1	US-08-393-245-8
5	39	60.0	405	1	US-08-525-058A-8
6	39	60.0	405	2	US-08-483-151-4
7	39	60.0	405	2	US-08-696-731-8
8	39	60.0	405	4	US-09-042-531-8
9	37	56.9	62	4	US-09-306-478A-6
10	37	56.9	63	4	US-09-006-428A-7
11	37	56.9	1151	3	US-08-840-906-6
12	37	56.9	1200	3	US-08-840-906-6
13	36.5	56.2	547	4	US-09-389-361B-20
14	36.5	56.2	549	1	US-08-354-243A-2
15	36.5	56.2	550	1	US-08-354-243A-4
16	36.5	56.2	550	1	US-08-354-243A-6
17	36.5	56.2	550	4	US-08-867-352-23
18	36.5	56.2	550	4	US-08-718-425-2
19	36.5	56.2	550	4	US-08-718-425-5
20	36.5	56.2	550	4	US-09-383-061B-6
21	36.5	56.2	550	4	US-09-383-061B-21
22	36.5	56.2	550	3	US-08-487-183A-10
23	36.5	56.2	552	3	US-09-111-752-5
24	36.5	56.2	561	2	US-08-474-169-8
25	36.5	56.2	815	1	US-08-122-520C-3
26	36.5	56.2	1242	4	US-09-489-270A-2
27	36	55.4	331	3	US-08-556-419-25

Sequence 3, Appl
Sequence 1, Appl
Sequence 3, Appl
Sequence 1, Appl
Sequence 18, Appl
Sequence 16, Appl
Sequence 2, Appl
Sequence 2, Appl
Sequence 4, Appl
Sequence 3, Appl
Sequence 3, Appl
Sequence 94, Appl
Sequence 94, Appl
Sequence 10, Appl
Patent No. 5254534
Sequence 24, Appl

ALIGNMENTS

RESULT 1

US-09-040-725A-1

: Sequence 1, Application US/09040725A

: Patent No. 6399584

: GENERAL INFORMATION:

: APPLICANT: Institut Curie

: APPLICANT: CNRS

: APPLICANT: Arbin, Monique

: APPLICANT: Crapadi, Liliana

: APPLICANT: Gaudreau, Alexis

: APPLICANT: Levard, Daniel

: TITLE OF INVENTION: Pharmaceutical composition containing ezrin mutated

: TITLE OF INVENTION: on tyrosine 353

: FILE REFERENCE: 391082000100

: CURRENT APPLICATION NUMBER: US/09/040,725A

: CURRENT FILING DATE: 1998-03-18

: NUMBER OF SEQ ID NOS: 4

: SOFTWARE: Patent In Ver. 2.1

: SEQ ID NO 1

: LENGTH: 586

: TYPE: PRT

: ORGANISM: Homo sapiens

US-09-040-725A-1

Query Match: 100.0%; Score 65; DB 4; length 586;

Best Local Similarity: 100.0%; Prod. No. 0.0014;

Matches: 13, Conservative: 0, Mismatches: 0, Indels: 0, Gaps: 0;

QY 1 KEELMLRLQDYEE 13

DB 344 KEELMLRLQDYEE 356

RESULT 2

PCT-US91-08999-14

: Sequence 14, Application PCT/US91/00099

: GENERAL INFORMATION:

: APPLICANT: Lower, John B.

: TITLE OF INVENTION: Method and products for the synthesis of

: TITLE OF INVENTION: oligosaccharide structures on glycoproteins, glycolipids,

: TITLE OF INVENTION: or as free molecules, and for the isolation of cloned

: TITLE OF INVENTION: genetic sequences that determine these structur

: NUMBER OF SEQUENCES: 16

: CORRESPONDENCE ADDRESS:

: ADDRESSEE: GILON, SHIVAK, McLELLAND, MAIER & NEUSIAU,

: ADDRESSEE: P.C.

: STREET: 1755 Jefferson Davis Highway, Suite 400

: CITY: Arlington

: STATE: Virginia

: ZIP: 22202

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1  COMPUTER READABLE FORM:
2  MEDIUM TYPE: Floppy disk
3  COMPUTER: IBM PC compatible
4  OPERATING SYSTEM: PC-DOS/MS-DOS
5  SOFTWARE: Patent In Release #1.0, Version #1.25
6  CURRENT APPLICATION DATA:
7  APPLICATION NUMBER: PCT/US91/00899
8  FILING DATE: 19910214
9  CLASSIFICATION: 4.35
10 ATTORNEY/AGENT INFORMATION:
11 NAME: Lavalleye, Jean-Paul
12 REGISTRATION NUMBER: 31,451
13 REFERENCE/DOCKET NUMBER: 2363-060-55 PCT
14 TELECOMMUNICATION INFORMATION:
15 TELEPHONE: (703)521-4500
16 TELEFAX: (703)486-2347
17 TELEX: 248855 OPAT UR
18 INFORMATION FOR SEQ ID NO: 14:
19 SEQUENCE CHARACTERISTICS:
20 LENGTH: 457 amino acids
21 TYPE: AMINO ACID
22 TOPOLOGY: linear
23 MOLECULE TYPE: protein
24 FRAGMENT TYPE: C-terminal
25 PCT US91-00899-14

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Query Match 60.0%; Score 39; DB 5; Length 357;
Best Local Similarity 66.7%; Pred. No. 24;
Matches 8; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

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QY 2 EELMLRLQDYEE 13
   111 111 1111
DB 85 EVDLRLVDYEE 96

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RESULT 1

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US-07-914-281-8
1  Sequence 8, Application US/07914281
2  Patent No. 5324663
3  GENERAL INFORMATION:
4  APPLICANT: LOWE, JOHN B.
5  TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS
6  OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS, ISOLATION
7  TITLE OF INVENTION: GLYCOPOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
8  TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU
9  NUMBER OF SEQUENCES: 14
10 CORRESPONDENCE ADDRESS:
11 ADDRESSEE: OHION, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
12 ADDRESSEE: P.C.
13 STREET: 1755 Jefferson Davis Highway, Fourth Floor
14 CITY: Arlington
15 STATE: Virginia
16 COUNTRY: U.S.A.
17 ZIP: 22202
18 COMPUTER READABLE FORM:
19 MEDIUM TYPE: Floppy disk
20 COMPUTER: IBM PC compatible
21 OPERATING SYSTEM: PC-DOS/MS-DOS
22 SOFTWARE: Patent In Release #1.0, Version #1.25
23 CURRENT APPLICATION DATA:
24 APPLICATION NUMBER: US/07/914,281
25 FILING DATE: 19920720
26 CLASSIFICATION: 530
27 ATTORNEY/AGENT INFORMATION:
28 NAME: Lavalleye, Jean-Paul M. P.
29 REGISTRATION NUMBER: 31,451
30 REFERENCE/DOCKET NUMBER: 2363-060-55
31 TELECOMMUNICATION INFORMATION:
32 TELEPHONE: (703)521-4500
33 TELEFAX: (703)486-2347
34 TELEX: 248855 OPAT UR
35 INFORMATION FOR SEQ ID NO: 8:
36 SEQUENCE CHARACTERISTICS:
37 LENGTH: 457 amino acids
38 TYPE: AMINO ACID
39 TOPOLOGY: linear
40 MOLECULE TYPE: protein
41 PCT US91-00899-14

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1  LENGTH: 405 amino acids
2  TYPE: AMINO ACID
3  TOPOLOGY: unknown
4  MOLECULE TYPE: protein
5  US-07-914-281-8

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```

Query Match 60.0%; Score 39; DB 1; Length 405;
Best Local Similarity 66.7%; Pred. No. 28;
Matches 8; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

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QY 2 EELMLRLQDYEE 13
   111 111 1111
DB 136 EVDLRLVDYEE 147

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RESULT 4

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US-08-393-246-8
1  Sequence 8, Application US/08393246
2  Patent No. 5595900
3  GENERAL INFORMATION:
4  APPLICANT: LOWE, JOHN B.
5  TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS
6  OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
7  TITLE OF INVENTION: GLYCOPOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
8  TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU
9  NUMBER OF SEQUENCES: 14
10 CORRESPONDENCE ADDRESS:
11 ADDRESSEE: OHION, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
12 ADDRESSEE: P.C.
13 STREET: 1755 Jefferson Davis Highway, Fourth Floor
14 CITY: Arlington
15 STATE: Virginia
16 COUNTRY: U.S.A.
17 ZIP: 22202
18 COMPUTER READABLE FORM:
19 MEDIUM TYPE: Floppy disk
20 COMPUTER: IBM PC compatible
21 OPERATING SYSTEM: PC-DOS/MS-DOS
22 SOFTWARE: Patent In Release #1.0, Version #1.25
23 CURRENT APPLICATION DATA:
24 APPLICATION NUMBER: US/08/393,246
25 FILING DATE:
26 CLASSIFICATION: 530
27 PRIOR APPLICATION DATA:
28 APPLICATION NUMBER: US 08/220,433
29 FILING DATE: 30-MAR-1994
30 APPLICATION NUMBER: US 07/914,281
31 FILING DATE: 20-JUL-1992
32 ATTORNEY/AGENT INFORMATION:
33 NAME: Lavalleye, Jean-Paul M. P.
34 REGISTRATION NUMBER: 31,451
35 REFERENCE/DOCKET NUMBER: 2363-060-55
36 TELECOMMUNICATION INFORMATION:
37 TELEPHONE: (703)521-4500
38 TELEFAX: (703)486-2347
39 TELEX: 248855 OPAT UR
40 INFORMATION FOR SEQ ID NO: 8:
41 SEQUENCE CHARACTERISTICS:
42 LENGTH: 405 amino acids
43 TYPE: amino acid
44 TOPOLOGY: unknown
45 MOLECULE TYPE: protein
46 US-08-393-246-8

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Query Match 60.0%; Score 39; DB 1; Length 405;
Best Local Similarity 66.7%; Pred. No. 28;
Matches 8; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

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```

QY 2 EELMLRLQDYEE 13
   111 111 1111
DB 136 EVDLRLVDYEE 147

```

RESULT 5

US-08-525-058A-8
 ? Sequence 8, Application US/08525058A
 ? Patent No. 5770420
 ? GENERAL INFORMATION:
 ? APPLICANT: LOWE, JOHN B.
 ? TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS
 ? OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
 ? TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
 ? OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTURES
 ? NUMBER OF SEQUENCES: 23
 ? CORRESPONDENCE ADDRESS:
 ? ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.
 ? STREET: 1755 Jefferson Davis Highway, Fourth Floor
 ? CITY: Arlington
 ? STATE: Virginia
 ? COUNTRY: U.S.A.
 ? ZIP: 22202
 ? COMPUTER READABLE FORM:
 ? MEDIUM TYPE: Floppy disk
 ? COMPUTER: IBM PC compatible
 ? OPERATING SYSTEM: PC-DOS/MS-DOS
 ? SOFTWARE: PatentIn Release #1.0, Version #1.25
 ? CURRENT APPLICATION DATA:
 ? APPLICATION NUMBER: US/08/525,058A
 ? FILING DATE:
 ? CLASSIFICATION: 435
 ? ATTORNEY/AGENT INFORMATION:
 ? NAME: Lavalley, Jean-Paul M. P.
 ? REGISTRATION NUMBER: 31,451
 ? REFERENCE/DOCKET NUMBER: 2363-060-55
 ? TELECOMMUNICATION INFORMATION:
 ? TELEPHONE: (703)521-4500
 ? TELEFAX: (703)486-2347
 ? TELEX: 248855 OPAT UR
 ? INFORMATION FOR SEQ ID NO: 8:
 ? SEQUENCE CHARACTERISTICS:
 ? LENGTH: 405 amino acids
 ? TYPE: amino acid
 ? TOPOLOGY: linear
 ? MOLECULE TYPE: protein
 ? US-08-525-058A-8

Query Match 60.0%; Score 39; DB 1; Length 405;
 Best Local Similarity 66.7%; Pred. No. 28;
 Matches 8; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 EELMLRLQDYEE 13
 ||: ||: ||||
 DB 136 EEVDLRVLVDYEE 147

RESULT 6

US-08-483-151-4
 ? Sequence 4, Application US/08483151
 ? Patent No. 5858752
 ? GENERAL INFORMATION:
 ? APPLICANT: Seed, Brian
 ? TITLE OF INVENTION: FUCOSYLTRANSFERASE GENES AND USES THEREOF
 ? NUMBER OF SEQUENCES: 4
 ? CORRESPONDENCE ADDRESS:
 ? ADDRESSEE: Fish & Richardson P.C.
 ? STREET: 225 Franklin Street
 ? CITY: Boston
 ? STATE: MA
 ? COUNTRY: USA
 ? ZIP: 02110-2804
 ? COMPUTER READABLE FORM:
 ? MEDIUM TYPE: Floppy disk
 ? COMPUTER: IBM PC compatible
 ? OPERATING SYSTEM: PC-DOS/MS-DOS
 ? SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 ? APPLICATION NUMBER: US/08/483,151
 ? FILING DATE: 07-JUN-1995
 ? CLASSIFICATION: 530
 ? ATTORNEY/AGENT INFORMATION:
 ? NAME: Leech, Karen F.
 ? REGISTRATION NUMBER: 35,238
 ? REFERENCE/DOCKET NUMBER: 00/085/278001
 ? TELECOMMUNICATION INFORMATION:
 ? TELEPHONE: 617/542-5070
 ? TELEFAX: 617/542-8906
 ? TELEX: 200154
 ? INFORMATION FOR SEQ ID NO: 4:
 ? SEQUENCE CHARACTERISTICS:
 ? LENGTH: 405 amino acids
 ? TYPE: amino acid
 ? STRANDEDNESS: not relevant
 ? TOPOLOGY: linear
 ? MOLECULE TYPE: protein
 ? US-08-483-151-4

Query Match 60.0%; Score 39; DB 2; Length 405;
 Best Local Similarity 66.7%; Pred. No. 28;
 Matches 8; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 EELMLRLQDYEE 13
 ||: ||: ||||
 DB 136 EEVDLRVLVDYEE 147

RESULT 7

US-08-696-731-8
 ? Sequence 8, Application US/08696731
 ? Patent No. 5955347
 ? GENERAL INFORMATION:
 ? APPLICANT: LOWE, JOHN B.
 ? TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS
 ? OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
 ? TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
 ? OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTURES
 ? NUMBER OF SEQUENCES: 14
 ? CORRESPONDENCE ADDRESS:
 ? ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
 ? ADDRESSEE: P.C.
 ? STREET: 1755 Jefferson Davis Highway, Fourth Floor
 ? CITY: Arlington
 ? STATE: Virginia
 ? COUNTRY: U.S.A.
 ? ZIP: 22202
 ? COMPUTER READABLE FORM:
 ? MEDIUM TYPE: Floppy disk
 ? COMPUTER: IBM PC compatible
 ? OPERATING SYSTEM: PC-DOS/MS-DOS
 ? SOFTWARE: PatentIn Release #1.0, Version #1.25
 ? CURRENT APPLICATION DATA:
 ? APPLICATION NUMBER: US/08/696,731
 ? FILING DATE: 14-AUG-1996
 ? CLASSIFICATION: 435
 ? PRIOR APPLICATION DATA:
 ? APPLICATION NUMBER: 08/393,246
 ? FILING DATE:
 ? APPLICATION NUMBER: US 08/220,433
 ? FILING DATE: 30-MAR-1994
 ? APPLICATION NUMBER: US 07/914,281
 ? FILING DATE: 20-JUL-1992
 ? ATTORNEY/AGENT INFORMATION:
 ? NAME: Lavalley, Jean-Paul M. P.
 ? REGISTRATION NUMBER: 31,451
 ? REFERENCE/DOCKET NUMBER: 2363-060-55
 ? TELECOMMUNICATION INFORMATION:
 ? TELEPHONE: (703)521-4500
 ? TELEFAX: (703)486-2347
 ? TELEX: 248855 OPAT UR

? INFORMATION FOR SEQ ID NO: 8:
 ? SEQUENCE CHARACTERISTICS:
 ? LENGTH: 405 amino acids
 ? TYPE: amino acid
 ? TOPOLOGY: unknown
 ? MOLECULE TYPE: protein
 US-09-042-531-8

Query Match 60.0%; Score 39; DB 2; Length 405;
 Best Local Similarity 66.7%; Pred. No. 28;
 Matches 8; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 EELMLRLQDYEE 13
 :||: ||: ||||
 Db 136 EEDVLRLDYEE 147

RESULT 8
 US-09-042-531-8
 ? Sequence 8, Application US/09042531
 ? Patent No. 6268193

? GENERAL INFORMATION:
 ? APPLICANT: LOWE, JOHN B.
 ? TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS
 ? OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
 ? TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
 ? TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU
 ? NUMBER OF SEQUENCES: 14
 ? CORRESPONDENCE ADDRESS:
 ? ADDRESSEE: OHION, SPIVAK, MCCLELLAND, MATER & NEUSTADT,
 ? ADDRESS: P.O.
 ? STREET: 1755 Jefferson Davis Highway, Fourth Floor
 ? CITY: Arlington
 ? STATE: Virginia
 ? COUNTRY: U.S.A.
 ? ZIP: 22202

? COMPUTER READABLE FORM:
 ? MEDIUM TYPE: Floppy disk
 ? COMPUTER: IBM PC compatible
 ? OPERATING SYSTEM: PC-DOS/MS-DOS
 ? SOFTWARE: Patent In release #1.0, Version #1.25
 ? CURRENT APPLICATION DATA:
 ? APPLICATION NUMBER: US/09/042,531
 ? FILING DATE:

? CLASSIFICATION:
 ? PRIOR APPLICATION DATA:
 ? APPLICATION NUMBER: US/08/334,246
 ? FILING DATE:
 ? APPLICATION NUMBER: US 08/220,433
 ? FILING DATE: 30-MAR-1994
 ? APPLICATION NUMBER: US 07/914,281
 ? FILING DATE: 20-JUL-1992
 ? ATTORNEY/AGENT INFORMATION:
 ? NAME: Lavallio, Jean-Paul M. P.
 ? REGISTRATION NUMBER: 41,451
 ? REFERENCE/DOCKET NUMBER: 2363-060-55

? TELEPHONE: (703)521-4500
 ? TELEFAX: (703)486-2347
 ? TELEX: 248855 OPAT UR
 ? INFORMATION FOR SEQ ID NO: 8:
 ? SEQUENCE CHARACTERISTICS:
 ? LENGTH: 405 amino acids
 ? TYPE: amino acid
 ? TOPOLOGY: unknown
 ? MOLECULE TYPE: protein
 US-09-042-531-8

Query Match 60.0%; Score 39; DB 4; Length 405;
 Best Local Similarity 66.7%; Pred. No. 28;
 Matches 8; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 EELMLRLQDYEE 13

:||: ||: ||||
 Db 136 EEDVLRLDYEE 147

RESULT 9
 US-09-006-428A-6
 ? Sequence 6, Application US/09006428A
 ? Patent No. 6444439

? GENERAL INFORMATION:
 ? APPLICANT: Jinq Li
 ? APPLICANT: Kazuhisa Nishizawa
 ? APPLICANT: Wenqian An
 ? APPLICANT: Ellis L. Reinherz
 ? TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF A
 ? FILE REFERENCE: 1062.1020-000
 ? CURRENT APPLICATION NUMBER: US/09/006,428A
 ? CURRENT FILING DATE: 1998-01-13
 ? NUMBER OF SEQ ID NOS: 28
 ? SOFTWARE: FastSeq for Windows Version 4.0
 ? SEQ ID NO 6
 ? LENGTH: 62
 ? TYPE: PRT
 ? ORGANISM: Homo sapiens
 US-09-006-428A-6

Query Match 56.9%; Score 37; DB 4; Length 62;
 Best Local Similarity 58.3%; Pred. No. 8.4;
 Matches 7; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 2 EELMLRLQDYEE 13
 :||: ||: ||||
 Db 6 KELVLALDYQE 17

RESULT 10
 US-09-006-428A-7
 ? Sequence 7, Application US/09006428A
 ? Patent No. 6444439

? GENERAL INFORMATION:
 ? APPLICANT: Jinq Li
 ? APPLICANT: Kazuhisa Nishizawa
 ? APPLICANT: Wenqian An
 ? APPLICANT: Ellis L. Reinherz
 ? TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF A
 ? FILE REFERENCE: 1062.1020-000
 ? CURRENT APPLICATION NUMBER: US/09/006,428A
 ? CURRENT FILING DATE: 1998-01-13
 ? NUMBER OF SEQ ID NOS: 28
 ? SOFTWARE: FastSeq for Windows Version 4.0
 ? SEQ ID NO 7
 ? LENGTH: 63
 ? TYPE: PRT
 ? ORGANISM: Homo sapiens
 US-09-006-428A-7

Query Match 56.9%; Score 37; DB 4; Length 63;
 Best Local Similarity 58.3%; Pred. No. 8.6;
 Matches 7; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 2 EELMLRLQDYEE 13
 :||: ||: ||||
 Db 8 KELVLALDYQE 19

RESULT 11
 US-09-040-006-6
 ? Sequence 6, Application US/08840006
 ? Patent No. 6125520

? GENERAL INFORMATION:
 ? APPLICANT: Ueda, Tetsufumi
 ? APPLICANT: Ozkan, Eric D.

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? TITLE OF INVENTION: Compositions And Methods For The
? TITLE OF INVENTION: Inhibition Of Neurotransmitter Uptake Of Synaptic Vesicles
? NUMBER OF SEQUENCES: 6
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Medien & Carroll, LLP
? STREET: 220 Montgomery Street, Suite 2200
? CITY: San Francisco
? STATE: California
? COUNTRY: United States of America
? ZIP: 94104
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patent In Release #1.0 Version #1.0
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/840.006
? FILING DATE: 15-APR-1997
? CLASSIFICATION: S14
? ATTORNEY/AGENT INFORMATION:
? NAME: Carroll, Peter G.
? REGISTRATION NUMBER: 32.837
? REFERENCE/DOCKET NUMBER: UM-02786
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (415) 705-8410
? TELEFAX: (415) 397-8138
? INFORMATION FOR SEQ ID NO: 6:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 1151 amino acids
? TYPE: amino acid
? STRANDEDNESS: not relevant
? TOPOLOGY: linear
? MOLECULE TYPE: peptid
US-08-840-006-6

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Query Match 56.9%; Score 37; DB 3; Length 1151;
Best Local Similarity 58.3%; Pred. No. 1.9e+02;
Matches 7; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

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QY 2 EELMLFLDYEE 13
    :||:| ||:|
DB 944 KELVLALVDYQE 955

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RESULT 12
US-08-840-006-6
? Sequence 5, Application US/08840006
? Patent No. 6127520
? GENERAL INFORMATION:
? APPLICANT: Ueda, Ietsufumi
? APPLICANT: Ozkan, Eric D.
? TITLE OF INVENTION: Compositions And Methods For The
? TITLE OF INVENTION: Inhibition Of Neurotransmitter Uptake Of Synaptic Vesicles
? NUMBER OF SEQUENCES: 6
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Medien & Carroll, LLP
? STREET: 220 Montgomery Street, Suite 2200
? CITY: San Francisco
? STATE: California
? COUNTRY: United States of America
? ZIP: 94104
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patent In Release #1.0, Version #1.30
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/840.006
? FILING DATE: 15-APR-1997
? CLASSIFICATION: S14
? ATTORNEY/AGENT INFORMATION:
? NAME: Carroll, Peter G.
? REGISTRATION NUMBER: 32.837

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```

? REFERENCE/DOCKET NUMBER: UM-02786
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (415) 705-8410
? TELEFAX: (415) 397-8138
? INFORMATION FOR SEQ ID NO: 5:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 1200 amino acids
? TYPE: amino acid
? STRANDEDNESS: not relevant
? TOPOLOGY: linear
? MOLECULE TYPE: peptid
US-08-840-006-5

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Query Match 56.9%; Score 37; DB 3; Length 1200;
Best Local Similarity 58.3%; Pred. No. 2e+02;
Matches 7; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

```

```

QY 2 EELMLFLDYEE 13
    :||:| ||:|
DB 969 KELVLALVDYQE 980

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RESULT 13
US-09-380-061B-20
? Sequence 20, Application US/09380061B
? Patent No. 6265177
? GENERAL INFORMATION:
? APPLICANT: SQUIRRELL, DAVID JAMES
? APPLICANT: WHITE, PETER JOHN
? APPLICANT: LOWE, CHRISTOPHER ROBIN
? APPLICANT: MURRAY, JAMES AUGUSTUS HENRY
? TITLE OF INVENTION: ENZYME ASSAY FOR MUTANT FIREFLY LUCIFERASE
? NUMBER OF SEQUENCES: 21
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: NIXON & VANDERHYE P.C.
? STREET: 1100 NORTH CLIFFE ROAD
? CITY: ARLINGTON
? STATE: VIRGINIA
? COUNTRY: U.S.A.
? ZIP: 22201-4714
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: Patent In Release #1.0, Version #1.25 (EP0)
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/09/380.061B
? FILING DATE: 25-Aug-1999
? CLASSIFICATION: <Unknown>
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: PCT/GB98/01026
? FILING DATE: 7-APR-1998
? REFERENCE/DOCKET NUMBER: 124-725
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (703)816-4000
? TELEFAX: (703)816-4100
? INFORMATION FOR SEQ ID NO: 20:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 547 amino acids
? TYPE: amino acid
? TOPOLOGY: linear
? MOLECULE TYPE: protein
? SOURCE DESCRIPTION: SEQ ID NO: 20:
US-09-380-061B-20

```

```

Query Match 56.2%; Score 36.5; DB 4; Length 547;
Best Local Similarity 69.2%; Pred. No. 1e+02;
Matches 5; Conservative 2; Mismatches 1; Indels 1; Gaps 1;

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QY 1 KEELMLR-LQYVE 12
 :|||||
 DB 269 KEELFLRSIQYK 281

RESULT 14

US-08-354-240A-2
 : Sequence 2, Application US/08/354240A
 : Patent No. 5670456
 : GENERAL INFORMATION:
 : APPLICANT: Sherl, Bruce A.
 : APPLICANT: Wood, Keith V.
 : TITLE OF INVENTION: MODIFIED LUCIFERASE
 : NUMBER OF SEQUENCES: 20
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: DOWITT ROSS & STEVENS, S.C.
 : STREET: 8000 Excelsior Drive, Suite 401
 : CITY: Madison
 : STATE: WI
 : COUNTRY: USA
 : ZIP: 53717-1914
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk
 : COMPUTER: IBM PC compatible
 : OPERATING SYSTEM: PC-DOS/MS-DOS
 : SOFTWARE: Patent In Release #1.0, Version #1.30
 : CURRENT APPLICATION DATA:
 : FILING DATE: 12-DEC-1994
 : CLASSIFICATION: 435
 : ATTORNEY/AGENT INFORMATION:
 : NAME: Sara, Charles S.
 : REGISTRATION NUMBER: 30,492
 : REFERENCE/DOCKET NUMBER: 44506.029
 : TELECOMMUNICATION INFORMATION:
 : TELEPHONE: 608-831-2100
 : TELEFAX: 608-831-2106
 : INFORMATION FOR SEQ ID NO: 2:
 : SEQUENCE CHARACTERISTICS:
 : LENGTH: 549 amino acids
 : TYPE: amino acid
 : TOPOLOGY: linear
 : MOLECULE TYPE: protein
 : US-08-354-240A-2

Query Match 56.2%; Score 36.5; DB 1; Length 549;
 Best Local Similarity 69.2%; Pred. No. 1e+02;
 Matches 9; Conservative 2; Mismatches 1; Indels 1; Gaps 1;

QY 1 KEELMLR-LQYVE 12
 :|||||
 DB 269 KEELFLRSIQYK 281

RESULT 15

US-08-354-240A-4
 : Sequence 4, Application US/08354240A
 : Patent No. 5670456
 : GENERAL INFORMATION:
 : APPLICANT: Sherl, Bruce A.
 : APPLICANT: Wood, Keith V.
 : TITLE OF INVENTION: MODIFIED LUCIFERASE
 : NUMBER OF SEQUENCES: 20
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: DOWITT ROSS & STEVENS, S.C.
 : STREET: 8000 Excelsior Drive, Suite 401
 : CITY: Madison
 : STATE: WI
 : COUNTRY: USA
 : ZIP: 53717-1914
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk

: COMPUTER: IBM PC compatible
 : OPERATING SYSTEM: PC-DOS/MS-DOS
 : SOFTWARE: Patent In Release #1.0, Version #1.30
 : CURRENT APPLICATION DATA:
 : FILING DATE: 12-DEC-1994
 : CLASSIFICATION: 435
 : ATTORNEY/AGENT INFORMATION:
 : NAME: Sara, Charles S.
 : REGISTRATION NUMBER: 30,492
 : REFERENCE/DOCKET NUMBER: 44506.029
 : TELECOMMUNICATION INFORMATION:
 : TELEPHONE: 608-831-2100
 : TELEFAX: 608-831-2106
 : INFORMATION FOR SEQ ID NO: 4:
 : SEQUENCE CHARACTERISTICS:
 : LENGTH: 550 amino acids
 : TYPE: amino acid
 : TOPOLOGY: linear
 : MOLECULE TYPE: protein
 : US-08-354-240A-4

Query Match 56.2%; Score 36.5; DB 1; Length 550;
 Best Local Similarity 69.2%; Pred. No. 1e+02;
 Matches 9; Conservative 2; Mismatches 1; Indels 1; Gaps 1;

QY 1 KEELMLR-LQYVE 12
 :|||||
 DB 269 KEELFLRSIQYK 281

Search completed: January 16, 2003, 16:59:12
 Job time : 14.3714 secs